

Express Mail No.: EL 477 035 276 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Langley et al.

Application No.: Not yet assigned -  
National stage of  
PCT/GB00/03746

Group Art Unit: Not yet assigned

Filed: Herewith

Examiner: Not yet assigned

For: DUAL-BAND MICROSTRIP  
ANTENNA

Attorney Docket No.: 10681-007

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please cancel claims 1-19, and add claims 20-38:

- 
20. A dual-band microstrip antenna comprising:
- a ground member; and
  - a patch structure having discrete first and second portions that are generally parallel to each other and spaced apart from the ground member, the patch structure and the ground member being configured such that the antenna exhibits first and second resonant frequency ranges by electromagnetic interaction between the patch structure and the ground member when the antenna is active; wherein conduction surfaces of the portions of the patch structure are shaped to substantially correspond to patterns of current flow detected in the conduction surfaces when the antenna is active before such shaping.